

ABSTRACT

The present invention relates to a graft polymer having a backbone moiety and at least one moiety grafted onto the backbone moiety where the backbone and grafted moieties are a hydrophobe and an amine or amide. The graft copolymer may have either a hydrophobic backbone or a mixed amine/hydrophobic backbone with a grafted amine or amide moiety; or an amine functional backbone with a grafted hydrophobic moiety. The backbone may be polymeric or non-polymeric. The graft copolymer may be used to deliver an active ingredient onto a substrate. The active ingredient may be associated, coated or encapsulated by the graft copolymer. The graft copolymer can be designed to have a pH triggerable solubility, providing a means to control the release of an active ingredient at a desired pH level.

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